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IEEE JNL IEEE Journal or Magazine

IEEE JNL IEEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEEE Conference Proceeding

IEEE STD IEEE Standard

**1. Time-resolved performance analysis of a second-order PMD compensator**

Neukirch, U.; Hempstead, M.; Piech, G.; Yihong Mauro; Mlejnek, M.; Soulliere, M.J.; Webb, M.;  
Pikula, D.; Hoyt, R.; Anderegg, M.; Dailey, M.; Feiling Wang; Drewnowski, C.; Sobiski, D.;  
Lightwave Technology, Journal of  
Volume 22, Issue 4, April 2004 Page(s):1189 - 1200  
Digital Object Identifier 10.1109/JLT.2004.825898

[AbstractPlus](#) | [References](#) | [Full Text: PDF\(832 KB\)](#) IEEE JNLIndexed by  
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# 1 [Analyses of selected variables effecting video streamed over IP](#)

David A. Rosenthal

 May 2004 **International Journal of Network Management**, Volume 14 Issue 3

 Full text available: [pdf \(173.05 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The goal of this study was to understand the impact of certain variables effecting the transmission of video over Internet Protocol (IP) networks, utilizing data from Peak Signal-to-Noise Ratio (PSNR) and Picture Quality Rating (PQR) measurement metrics.

# 2 [SpectrumWare: a software-oriented approach to wireless signal processing](#)

David L. Tennenhouse, Vanu G. Bose

 December 1995 **Proceedings of the 1st annual international conference on Mobile computing and networking**

 Full text available: [pdf \(1.29 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

# 3 [The SpectrumWare approach to wireless signal processing](#)

David L. Tennenhouse, Vanu G. Bose

 March 1996 **Wireless Networks**, Volume 2 Issue 1

 Full text available: [pdf \(1.18 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The SpectrumWare project is applying a software oriented approach to wireless communication and distributed signal processing. Advances in processor and analog-to-digital conversion technology have made it possible to implement virtual radios that directly sample wide bands of the RF spectrum and process these samples in application software. The elimination of dedicated hardware introduces tremendous flexibility into a wireless communication system. Our approach goes further than the softw ...

# 4 [Circuit emulation services over ethernet-part 1: clock synchronization using timestamps](#)

James Aweya, Michel Ouellette, Delfin Y. Montuno, Kent Felske

 January 2004 **International Journal of Network Management**, Volume 14 Issue 1

 Full text available: [pdf \(260.66 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Due to Ethernet's ubiquity, simplicity, scalability and cost effectiveness there is significant

customer demand for Ethernet-based access and transport in the metropolitan network. Many service providers have recognized this need and are currently establishing Ethernet-based services to meet this demand. The migration to all-Ethernet access will not be instantaneous since many customers currently have legacy TDM access interfaces on their routers and PBX equipment. Circuit Emulation Services (CE ...

##### 5 Trunking of TDM and narrowband services over IP Networks

James Aweya

January 2003 **International Journal of Network Management**, Volume 13 Issue 1

Full text available:  [pdf\(418.58 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The recent interest in IP as the vehicle for transporting TDM and narrowband services stems from the possibility of using a common transport network for voice, video, and data, and the flexibility with which new services can be introduced. A key step in the evolution of networks towards a 'broadband' IP-based environment is the 'graceful' interworking of the IP networks with the existing networks and services, particularly with the circuit switched telephone network. A &l ...

##### 6 An innovative simulation tool for advanced signal processing in UMTS systems

Dania Marabissi, Marco Michelini, Luca Simone Ronga

September 2004 **Wireless Networks**, Volume 10 Issue 5

Full text available:  [pdf\(545.12 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Link-level simulations are essential in the design of UMTS communication systems. The large number of interdependent variables makes it impossible to derive easy design steps without an efficient modeling of the environments and the implemented reception schemes. In this paper, a novel tool for UMTS design is presented. The tool includes a fast C++ simulation engine and a complete 3GPP library to model the uplink transmission chain. As an example, a series of Monte Carlo performance simulatio ...

**Keywords:** 3G-simulation environment, CDMA advanced receivers, DSP system design, code division multiple access (CDMA), fading channel models, multirate systems, object-oriented simulation tool

##### 7 Tools: NIST Net: a Linux-based network emulation tool

Mark Carson, Darrin Santay

July 2003 **ACM SIGCOMM Computer Communication Review**, Volume 33 Issue 3

Full text available:  [pdf\(509.00 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

Testing of network protocols and distributed applications has become increasingly complex, as the diversity of networks and underlying technologies increase, and the adaptive behavior of applications becomes more sophisticated. In this paper, we present *NIST Net*, a tool to facilitate testing and experimentation with network code through emulation. NIST Net enables experimenters to model and effect arbitrary performance dynamics (packet delay, jitter, bandwidth limitations, congestion, pac ...

##### 8 Circuit emulation services over ethernet-part 2: prototype and experimental results

James Aweya, Michel Ouellette, Delfin Y. Montuno, Jeganathan Markandu, Karin Sundstrom, Kent Felske

January 2004 **International Journal of Network Management**, Volume 14 Issue 1

Full text available:  [pdf\(300.81 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a prototype implementation and experimental results for unstructured circuit emulation service (UCES) of T3 data stream over Ethernet. As explained in Part 1 of

this paper, packet-switched networks such as Ethernet are not designed to transport TDM data and so have no inherent clock distribution and synchronization mechanisms. Thus, to allow the frequency of the source TDM stream to be regenerated at the receiver, the prototype employed the clock synchronization scheme descr ...

9 Papers: Voice over IP performance monitoring

R. G. Cole, J. H. Rosenbluth

April 2001 **ACM SIGCOMM Computer Communication Review**, Volume 31 Issue 2


Full text available:  [pdf\(1.35 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We describe a method for monitoring Voice over IP (VoIP) applications based upon a reduction of the ITU-T's E-Model to transport level, measurable quantities. In the process, 1) we identify the relevant transport level quantities, 2) we discuss the tradeoffs between placing the monitors within the VoIP gateways versus placement of the monitors within the transport path, and 3) we identify several areas where further work and consensus within the industry are required. We discover that the releva ...

10 MPEG-4: an object-based multimedia coding standard supporting mobile applications

Atul Puri, Alexandros Eleftheriadis

June 1998 **Mobile Networks and Applications**, Volume 3 Issue 1


Full text available:  [pdf\(747.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The ISO MPEG committee, after successful completion of the MPEG-1 and the MPEG-2 standards is currently working on MPEG-4, the third MPEG standard. Originally, MPEG-4 was conceived to be a standard for coding of limited complexity audio-visual scenes at very low bit-rates; however, in July 1994, its scope was expanded to include coding of scenes as a collection of individual audio-visual objects and enabling a range of advanced functionalities not supported by other standards. One of the ke ...

11 VOIP: Impact of link failures on VoIP performance

Catherine Boutremans, Gianluca Iannaccone, Christophe Diot

May 2002 **Proceedings of the 12th international workshop on Network and operating systems support for digital audio and video**

Full text available:  [pdf\(198.37 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We use active and passive traffic measurements to identify the issues involved in the deployment of a voice service over a tier-1 IP backbone network. Our findings indicate that no specific handling of voice packets (i.e. QoS differentiation) is needed in the current backbone but new protocols and mechanisms need to be introduced to provide a better protection against link failures. We discover that link failures may be followed by long periods of routing instability, during which packets can be ...

**Keywords:** VoIP, routing protocols, traffic measurements

12 Low-power AEC-based MIMO signal processing for gigabit ethernet 1000Base-T transceivers

Lei Wang, Naresh Shanbhag

August 2001 **Proceedings of the 2001 international symposium on Low power electronics and design**

Full text available:  [pdf\(269.43 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



**13** Designing human-computer interfaces for quadriplegic people

Constantine E. Steriadis, Philip Constantinou


June 2003 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 10 Issue 2Full text available:  [pdf\(1.20 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The need for participation in an emerging *Information Society* has led to several research efforts for designing accessibility solutions for disabled people. In this paper we present a method for developing Human-Computer Interfaces (HCIs) for quadriplegic people in modern programming environments. The presented method accommodates the design of scanning interfaces with modern programming tools, leading to flexible interfaces with improved appearance and it is based on the use of specially ...

**Keywords:** Accessibility, assistive technology, augmentative communications, disability, graphical keyboard, motor-impaired users, mouse simulation, quadriplegic people, scanning selection, single-switch input, wifsid, word-prediction

**14** Wireless home networks: A review on wireless home network technologies


K. Vaxevanakis, Th. Zahariadis, N. Vogiatzis

April 2003 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 7 Issue 2Full text available:  [pdf\(1.63 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#)

Connecting residences to broadband access networks offers an unprecedented opportunity to extend the networking customer base beyond the satiated corporate environment. Yet despite this promising prospect, the market is evolving very tenuously: on one hand, there are numerous industrial consortia and standardization bodies that continue their work on independent and often non-interoperable specifications for residential networks; on the other hand, while there are multiple home PCs and multimed

**15** Prototyping of the receiver unit for a broadband access network

A. Hein, J. Dalcolmo, P. Le Corre, R. Lauwereins, M. Adé

September 1997 **Proceedings of the 10th international symposium on System synthesis**Full text available:  [pdf\(870.01 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#) [Publisher Site](#)

To exploit the potential of two-way communication on CATV networks for advanced interactive telecommunication applications like video-on-demand, a high speed modem for up-stream communication is currently under development. We are using the rapid prototyping tool GRAPE to evaluate the digital receiver part of the modem which is described in detail in this paper. The sampling rates achieved for a modem on multiple DSP processors are reported.

**Keywords:** rapid prototyping tool, resource estimation in distributed systems, data-flow modeling, frame-grabber

**16** Spatialized audioconferencing: what are the benefits?

Ryan Kilgore, Mark Chignell, Paul Smith

October 2003 **Proceedings of the 2003 conference of the Centre for Advanced Studies on Collaborative research**Full text available:  [pdf\(200.89 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Audioconference participants often have difficulty identifying the voices of other conferees, especially in ad hoc groups of unfamiliar members. Simultaneous presentation of multiple voices through a single, monaural channel can be discordant and difficult to comprehend.


To address these shortcomings, we have developed the Vocal Village, a communications tool that allows for real-time spatialized audioconferencing across the Internet. The Vocal Village system uses binaural audio signals to prese ...

**Keywords:** 3D voice collaboration, spatial audio, spatialized audioconference

**17** Design of a multi-media vehicle for social browsing

Robert W. Root

January 1988 **Proceedings of the 1988 ACM conference on Computer-supported cooperative work**

Full text available:  [pdf\(1.32 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we present a new approach to the use of computer-mediated communications technology to support distributed cooperative work. In contrast to most of the existing approaches to CSCW, we focus explicitly on tools to enable unplanned, informal social interaction. We describe a "social interface" which provides direct, low-cost access to other people through the use of multi-media communications channels. The design of the system centers around three basic conce ...

**18** A maintenance system architecture for data network services

R. T. Begbie

September 1977 **Proceedings of the fifth symposium on Data communications**

Full text available:  [pdf\(474.74 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a maintenance system architecture, partially implemented within Bell Canada, for end-to-end testing and maintenance of data network services. This paper emphasizes the end-to-end, overall, maintenance requirements.

**19** ARCMA---adaptive request channel multiple access protocol for wireless ATM networks

Anna Hać, Boon Ling Chew

November 2001 **International Journal of Network Management**, Volume 11 Issue 6

Full text available:  [pdf\(669.87 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose a new multiple access protocol based on demand assignment. This protocol is designed to reduce contention in the request phase while minimizing transmission delay under various network (ATM) environments. Our protocol uses an adaptive scheme that changes under heavy traffic conditions, and also provides priority to certain delay-sensitive traffic.

**20** COMSPEC: a software architecture for users with special needs

Dag Svanæs

April 1993 **INTERACT '93 and CHI '93 conference companion on Human factors in computing systems**

Full text available:  [pdf\(208.25 KB\)](#) Additional Information: [full citation](#), [references](#)

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File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040012797

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040012797 A1

TITLE: Load balancing in image generation

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Letellier, <u>Nolan</u> Wayne	Boise	ID	US	

US-CL-CURRENT: 358/1.9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030174141

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030174141 A1

TITLE: Sorting image primitives in generation of image page descriptions

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Letellier, <u>Nolan</u> Wayne	Boise	ID	US	

US-CL-CURRENT: 345/582

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 20020088790 A1

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File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020088790

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020088790 A1

TITLE: Thermal/convection oven including halogen lamps

PUBLICATION-DATE: July 11, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Nolan</u> , Kevin Farrelly	Sheperdsville	KY	US	
Graves, Todd Vincent	Louisville	KY	US	
Wagner, Don R.	Louisville	KY	US	

US-CL-CURRENT: 219/400; 219/411, 219/681

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw Desc	Image
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☐ 4. Document ID: US 6640278 B1

L1: Entry 4 of 10

File: USPT

Oct 28, 2003

US-PAT-NO: 6640278

DOCUMENT-IDENTIFIER: US 6640278 B1

TITLE: Method for configuration and management of storage resources in a storage network

DATE-ISSUED: October 28, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Nolan</u> ; Shari J.	San Jose	CA		
Nespor; Jeffrey S.	Pleasanton	CA		
Harris, Jr.; George W.	Mountain View	CA		
Lane; Jerry Parker	San Jose	CA		
Merrell; Alan R.	Fremont	CA		
Lagueux, Jr.; Richard A.	Hudson	NH		
Panas; Michael G.	Hayward	CA		

US-CL-CURRENT: 711/6; 707/1, 707/10, 707/102, 709/203, 709/223

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw Desc	Image
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☐ 5. Document ID: US 6521870 B2

L1: Entry 5 of 10

File: USPT

Feb 18, 2003

US-PAT-NO: 6521870  
DOCUMENT-IDENTIFIER: US 6521870 B2

TITLE: Thermal/convection oven including halogen lamps

DATE-ISSUED: February 18, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Nolan</u> ; Kevin Farrelly	Sheperdsville	KY		
Graves; Todd Vincent	Louisville	KY		
Wagner; Don R.	Louisville	KY		

US-CL-CURRENT: 219/400; 126/21A, 219/411, 219/681

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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☐ 6. Document ID: US 6446141 B1

L1: Entry 6 of 10

File: USPT

Sep 3, 2002

US-PAT-NO: 6446141  
DOCUMENT-IDENTIFIER: US 6446141 B1

TITLE: Storage server system including ranking of data source

DATE-ISSUED: September 3, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Nolan</u> ; Shari J.	San Jose	CA		
Nespor; Jeffery S.	Pleasanton	CA		
Harris, Jr.; George W.	Mountain View	CA		
Lane; Jerry Parker	San Jose	CA		
Merrell; Alan R.	Fremont	CA		

US-CL-CURRENT: 710/8; 709/203, 710/62

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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☐ 7. Document ID: US 6049316 A

L1: Entry 7 of 10

File: USPT

Apr 11, 2000

US-PAT-NO: 6049316  
DOCUMENT-IDENTIFIER: US 6049316 A

TITLE: PC with multiple video-display refresh-rate configurations using active and default registers

DATE-ISSUED: April 11, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Nolan</u> ; Rebecca	Scotts Valley	CA		
Tang; Richard X.	San Jose	CA		

US-CL-CURRENT: 345/698

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 8. Document ID: US 5959467 A

L1: Entry 8 of 10

File: USPT

Sep 28, 1999

US-PAT-NO: 5959467

DOCUMENT-IDENTIFIER: US 5959467 A

TITLE: High speed dynamic differential logic circuit employing capacitance matching devices

DATE-ISSUED: September 28, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Nolan</u> , III; Joseph G.	San Jose	CA		
Holst; John C.	San Jose	CA		
Draper; Donald A.	San Jose	CA		

US-CL-CURRENT: 326/39; 326/40

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 9. Document ID: US 4589138 A

L1: Entry 9 of 10

File: USPT

May 13, 1986

US-PAT-NO: 4589138

DOCUMENT-IDENTIFIER: US 4589138 A

TITLE: Method and apparatus for voice emulation

DATE-ISSUED: May 13, 1986

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Milner; Ronald E.	Grass Valley	CA		
Bushnell; <u>Nolan</u> K.	Woodside	CA		

US-CL-CURRENT: 381/110; 446/175, 446/303

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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☐ 10. Document ID: US 4533996 A

L1: Entry 10 of 10

File: USPT

Aug 6, 1985

US-PAT-NO: 4533996

DOCUMENT-IDENTIFIER: US 4533996 A

TITLE: Peripheral systems accommodation of guest operating systems

DATE-ISSUED: August 6, 1985

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hartung; Michael H.	Pima County	AZ		
<u>Nolan</u> ; Kenneth P.	Boulder County	CO		

US-CL-CURRENT: 710/3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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Bkwd Refs

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Term	Documents
NOLAN	9098
NOLANS	4
EMULATION	12740
EMULATIONS	576
((NOLAN.IN.) AND EMULATION).PGPB,USPT.	10
(NOLAN.IN. AND EMULATION ).PGPB,USPT.	10

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**Search Results - Record(s) 1 through 10 of 10 returned.**

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☐ 1. Document ID: US 20050135814 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 10

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050135814

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050135814 A1

TITLE: Apparatus and method for simulating a length of optical fiber

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Courtney, Stephen	Ottawa		CA	

US-CL-CURRENT: 398/147

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 20030202571 A1

L2: Entry 2 of 10

File: PGPB

Oct 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030202571

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030202571 A1

TITLE: Method for implementing a communication transceiver impairment emulator

PUBLICATION-DATE: October 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kearney, Kenneth P.	Smithtown	NY	US	
Kazakevich, Leonid	Plainview	NY	US	
Axness, Timothy A.	Collegeville	PA	US	
Nolan, James	Huntington	NY	US	

US-CL-CURRENT: 375/224

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 6678319 B1

L2: Entry 3 of 10

File: USPT

Jan 13, 2004

US-PAT-NO: 6678319

DOCUMENT-IDENTIFIER: US 6678319 B1

**\*\* See image for Certificate of Correction \*\***TITLE: Digital signal processing for high-speed communications

DATE-ISSUED: January 13, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jamali; Hamadi	Redwood City	CA		

US-CL-CURRENT: 375/234; 375/350

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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☐ 4. Document ID: US 6385237 B1

L2: Entry 4 of 10

File: USPT

May 7, 2002

US-PAT-NO: 6385237

DOCUMENT-IDENTIFIER: US 6385237 B1

TITLE: Non-invasive digital cable test system

DATE-ISSUED: May 7, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsui; Ernest T.	Cupertino	CA		
Kletsky; Jeffrey Marc	San Francisco	CA		

US-CL-CURRENT: 375/228; 370/241

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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☐ 5. Document ID: US 6278730 B1

L2: Entry 5 of 10

File: USPT

Aug 21, 2001

US-PAT-NO: 6278730

DOCUMENT-IDENTIFIER: US 6278730 B1

TITLE: Non-invasive digital cable test system

DATE-ISSUED: August 21, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsui; Ernest T.	Cupertino	CA		
Kletsky; Jeffrey Marc	San Francisco	CA		

US-CL-CURRENT: 375/224; 370/252, 375/324, 375/340

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw Desc	Image
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☐ 6. Document ID: US 6233274 B1

L2: Entry 6 of 10

File: USPT

May 15, 2001

US-PAT-NO: 6233274

DOCUMENT-IDENTIFIER: US 6233274 B1

TITLE: Non-invasive digital cable test system

DATE-ISSUED: May 15, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsui; Ernest T.	Cupertino	CA		
Kletsky; Jeffrey Marc	San Francisco	CA		

US-CL-CURRENT: 375/227; 370/252, 375/228, 455/226.3, 455/67.13

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw Desc	Image
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☐ 7. Document ID: US 6195414 B1

L2: Entry 7 of 10

File: USPT

Feb 27, 2001

US-PAT-NO: 6195414

DOCUMENT-IDENTIFIER: US 6195414 B1

TITLE: Digital facility simulator with CODEC emulation

DATE-ISSUED: February 27, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Simmons; Charles W.	Eatontown	NJ		
Ellerbusch; Gary	Roselle Park	NJ		
Rumsby; Steven	West Allenhurst	NJ		

US-CL-CURRENT: 379/22; 375/225

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 8. Document ID: US 6061393 A

L2: Entry 8 of 10

File: USPT

May 9, 2000

US-PAT-NO: 6061393

DOCUMENT-IDENTIFIER: US 6061393 A

TITLE: Non-invasive digital cable test system

DATE-ISSUED: May 9, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsui; Ernest T.	Cupertino	CA		
Kletsky; Jeffrey Marc	San Francisco	CA		

US-CL-CURRENT: 375/224; 324/614, 375/227, 375/257, 455/226.3, 455/67.13

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 9. Document ID: US 5751766 A

L2: Entry 9 of 10

File: USPT

May 12, 1998

US-PAT-NO: 5751766

DOCUMENT-IDENTIFIER: US 5751766 A

TITLE: Non-invasive digital communications test system

DATE-ISSUED: May 12, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kletsky; Jeffrey Marc	San Francisco	CA		
Tsui; Ernest T.	Cupertino	CA		

US-CL-CURRENT: 375/224; 348/184, 348/192, 348/193, 375/225, 375/228, 375/285, 375/326, 375/344, 375/346

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 10. Document ID: US 5539772 A

L2: Entry 10 of 10

File: USPT

Jul 23, 1996

US-PAT-NO: 5539772

DOCUMENT-IDENTIFIER: US 5539772 A

TITLE: Apparatus and method for verifying performance of RF receiver

DATE-ISSUED: July 23, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fasulo, II; Albert J.	Ellicott C	MD		
Haines; Anthony D.	Hampstead	MD		

US-CL-CURRENT: 375/224

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	IMC	Draw Desc	Image
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Term	Documents
SIGNAL	1404424
SIGNALS	1091677
EMULAT\$	0
EMULAT	1
EMULATABLE	24
EMULATAR	1
EMULATATION	1
EMULATCRS	1
EMULATD	1
EMULATE	16203
EMULATEABLE	1
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